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APPLICATION NO.	· FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/038,640	01/04/2002	Jonathan S. Stinson	792-62 RCE	9194
23869 HOFFM A NN 2	7590 04/04/2007 & BARON, LLP		EXAMINER	
6900 JERICHO	TURNPIKE		EREZO, DARWIN P	
SYOSSET, NY 11791			ART UNIT	PAPER NUMBER
			3731	
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SHORTENED STATUTOR	RY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
. 3 MONTHS		04/04/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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	Application No.	Applicant(s)			
Office Action Commons	10/038,640	STINSON, JONATHAN S.			
Office Action Summary	Examiner	Art Unit			
TO STAN IN CONTROL OF THE PROPERTY OF THE PROP	Darwin P. Erezo	3731			
 The MAILING DATE of this communication a Period for Reply 	appears on the cover sneet with	th the correspondence address			
A SHORTENED STATUTORY PERIOD FOR REF WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory perions are provided to the provided period for reply will, by state that the period for reply will, by state that the provided period for reply will, by state that the provided period for reply will, by state that the provided period for reply will, by state that the provided period for reply will, by state that the provided period for reply will, by state that the provided period for reply will, by state that the provided period for reply will, by state that the provided period for reply will, by state that the provided period for reply will, by state that the provided period for reply will, by state that the provided period for reply will, by state that the provided period for reply will, by state that the provided period for reply will, by state that the provided period for reply will, by state that the provided period for reply will, by state that the provided period for reply will, by state that the provided period for reply will, by state that the provided period for reply will, by state that the provided period for reply will be	i DATE OF THIS COMMUNIC I 1.136(a). In no event, however, may a re- tiod will apply and will expire SIX (6) MONI atute, cause the application to become ABA	CATION. eply be timely filed ITHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 18	B December 2006.				
2a)⊠ This action is FINAL . 2b)□ TI)⊠ This action is FINAL . 2b)□ This action is non-final.				
3) Since this application is in condition for allow closed in accordance with the practice under	•	•			
Disposition of Claims					
4) ☐ Claim(s) 1-3,6,14,15,17,25,52,53,55,57-62,6 4a) Of the above claim(s) 1-3,14,15,17,25,52 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 6 and 76-93 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and	2,53,55,57-62,64-68 and 72-7	-			
Application Papers					
9) The specification is objected to by the Exami	iner.				
10) The drawing(s) filed on is/are: a) a	• • •				
Applicant may not request that any objection to the	• • • • • • • • • • • • • • • • • • • •				
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the	•				
·	Examiner. Note the attached	Office Action of John F 10-132.			
Priority under 35 U.S.C. § 119					
a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure * See the attached detailed Office action for a li	ents have been received. ents have been received in Apriority documents have been in eau (PCT Rule 17.2(a)).	pplication No received in this National Stage			
Attachment(s)					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) 🔲 Interview Su Paper No(s'	ummary (PTO-413))/Mail Date			
3) Information Disclosure Statement(s) (PTO/SB/08)		formal Patent Application			

DETAILED ACTION

Election/Restrictions

- 1. Applicant's election of Species II in the reply filed on 12/18/2006 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).
- 2. Claims 1-3, 14, 15, 17, 25, 52, 53, 55, 57-62, 64-68 and 72-75 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 12/18/2006.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 6 and 76-93 are rejected under 35 U.S.C. 102(b) as being anticipated by US 5,575,818 to Pinchuk.

(claims 6, 76, 78, 81, 84, 86, 87 and 93) Pinchuk discloses a stent 400 comprising a body insertable structure including a plurality flexible strands 408 selectively formed to provide a discrete first tubular segment 403 and a plurality of discrete second tubular segments, or locking rings 614,616. Pinchuk discloses that multiple locking rings can be disposed along the body of the stent, which would

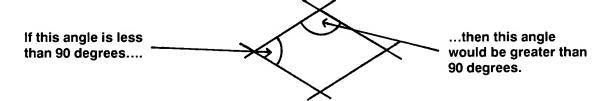
Application/Control Number: 10/038,640

Art Unit: 3731

inherently provide a plurality of discrete first tubular segments (col. 10, lines 20-22). Therefore, the first and second tubular segments will be arranged in alternating sequence.

Pinchuk further discloses the first and second tubular segments having respective first and second nominal diameters when the tubular structure is in a relaxed state (Fig. 6) and wherein the tubular is radially compressible against an elastic restoring force to a predetermined diameter due to the stent being a self expandable stent.

The first tubular segment **403** also has an obtuse strand crossing angle that is less than an obtuse strand crossing angle of the second tubular segment **614/616**. As seen in the attached figure below, the first tubular segment has two crossing angles: one that is less than 90 degrees and one that would inherently be greater than 90 degrees.



Therefore, since the first tubular segment **403** still has a crossing angle that is less than the crossing angle of the second tubular segment, as seen in Fig. 6, then it is inherent that the first tubular segment has a greater axial stiffness level than the second tubular segment. However, the second tubular segment will have a greater radial force level when compared to the first tubular segment because it has a higher crossing angle.

(claims 77, 79, 80, 85, 88 and 89) The strand crossing angles for each of the first and second tubular segments are constant (substantially the same), therefore, the axial stiffness levels for each of the tubular segments are substantially the same (the same reason applies for the radial force levels).

(claims 82, 83, 90 and 91) The nominal diameters of each of first and second tubular wall segments are substantially the same, while the nominal diameter of the second tubular wall segment is larger than the first (Fig. 6).

(claim 92) The nominal diameter of both the first and second tubular segment can be substantially the same, as seen in the embodiment shown in Fig. 4.

Response to Arguments

5. Applicant's arguments filed 09/18/2006 have been fully considered but they are not persuasive.

The applicant has amended independent claims 6, 76 and 84 to recite that the obtuse crossing angle of the second tubular wall segment is larger than the obtuse strand crossing angle along the first tubular wall segment. The applicant is relying on the fact that the labeled angle θ in Fig. 4 shows an angle that is not obtuse. However, as shown in the attached figure above, if one angle is less than 90 degrees, then the adjacent angle will be more than 90 degrees. The examiner is interpreting this adjacent angle as the "obtuse strand crossing angle of the first tubular wall segment". The applicant has not cited any structural limitations that prevents interpreting this "adjacent angle" as the "crossing angle". Therefore, the examiner could choose any crossing angle for either the first or second tubular structures.

Application/Control Number: 10/038,640

Art Unit: 3731

Furthermore, the arrangement of the first tubular segment and the second tubular segment as shown in Fig. 6 still provides the first tubular segment with a greater axial stiffness level than the second tubular segment. It also provides the second tubular segment with a greater radial force level when compared to the first tubular segment.

Conclusion

6. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Darwin P. Erezo whose telephone number is (571) 272-4695. The examiner can normally be reached on M-F (8:00-4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anhtuan T. Nguyen can be reached on (571) 272-4963. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/038,640 Page 6

Art Unit: 3731

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Darwin P. Erezo Examiner Art Unit 3731

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ANHTUAN T. NGUYEN SUPERVISORY PATENT EXAMINER